

DERWENT-ACC-NO: 1994-149620

DERWENT-WEEK: 199418

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TITLE: Radio component heat sink for cooling radio components -
has sleeve with external cylindrical surface and
spherical concave surface

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PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
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APPLICATION-DATA:

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ABSTRACTED-PUB-NO: SU 1798945A ✓

BASIC-ABSTRACT:

Device comprises heat conducting immovable and movable contacts (1,2), spring (3), sleeve (4) and heat conducting lubrication (5). The contact (1) is rigidly fixed at the unit (6) heat removal body which can be ribbed in order to improve the heat transfer. The contact (2) plate is pressed to the radioelectronic unit (7) plate by the spring (3). The sleeve (4) forms with the contact (2) a spherical hinge and with the contact (1)-cylinder-piston pair. The heat removing lubrication (5) is placed in the clearances

between
the components (2,4) and (4,1) cylindrical and spherical convex and
concave
surfaces.

The heat released in the radioelectronic unit (7) is passed through
the thermal
circuit-contact (2)-sleeve (4)-contact (1)-unit (6) body to the
atmosphere.

The device thermal resistance between the contact (2) and the contact
(1) is
determined by the thermal resistance of the clearances between the
spherical
and cylindrical surfaces of components (1,4) and (4,2).

ADVANTAGE - Eliminates overloading and improves reliability.

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CHOSEN-DRAWING: Dwg.1/1

TITLE-TERMS: RADIO COMPONENT HEAT SINK COOLING RADIO COMPONENT SLEEVE
EXTERNAL

CYLINDER SURFACE SPHERE CONCAVE SURFACE

DERWENT-CLASS: U11 V04

EPI-CODES: U11-D02B1; V04-T03;

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